

Publication of Japanese Patent No. 3024120 (P3024120)

A. Relevance of the Above-identified Document

This document has relevance to claims 2-5, 12, 14-17 and 24 of the present application.

B. Translation of the Relevant Passages of the Document

[CLAIM 3] The recording medium set forth in Claim 1, wherein the identifier includes information indicative of respective intensity of light emission when information is recorded in the concave portion and the convex portion of the guide groove.

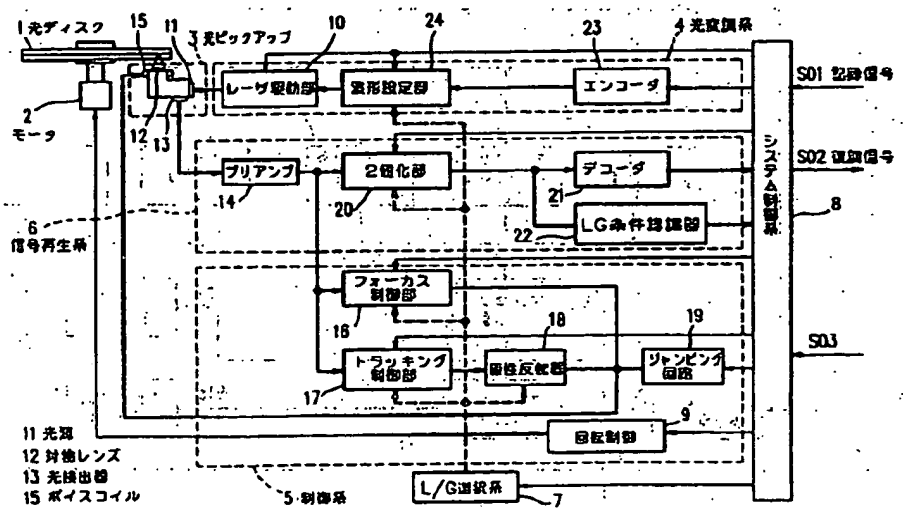
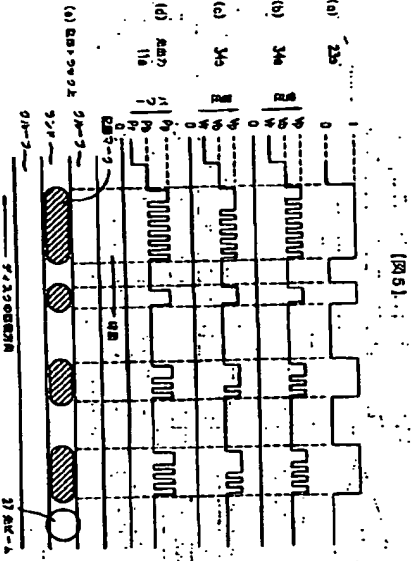
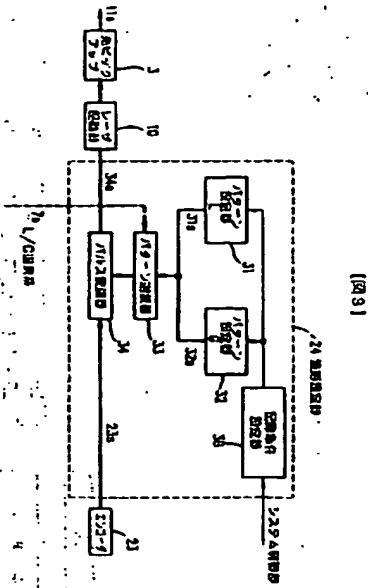
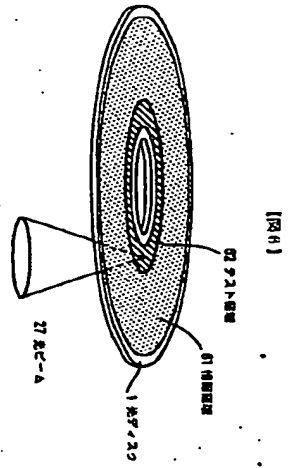
[0068] A first method (i.e. a method of setting separate recording conditions with respect to a land and a groove, respectively, when performing recording of an information signal to an optical information recording medium, and particularly when performing the recording with respect to different types of recording media or performing the recording of a higher quality) is to perform preliminary recording (test-write recording) prior to recording of an information signal. With this method, a difference in characteristics between a land and a groove is corrected, which difference includes variations among optical information recording media, differences among

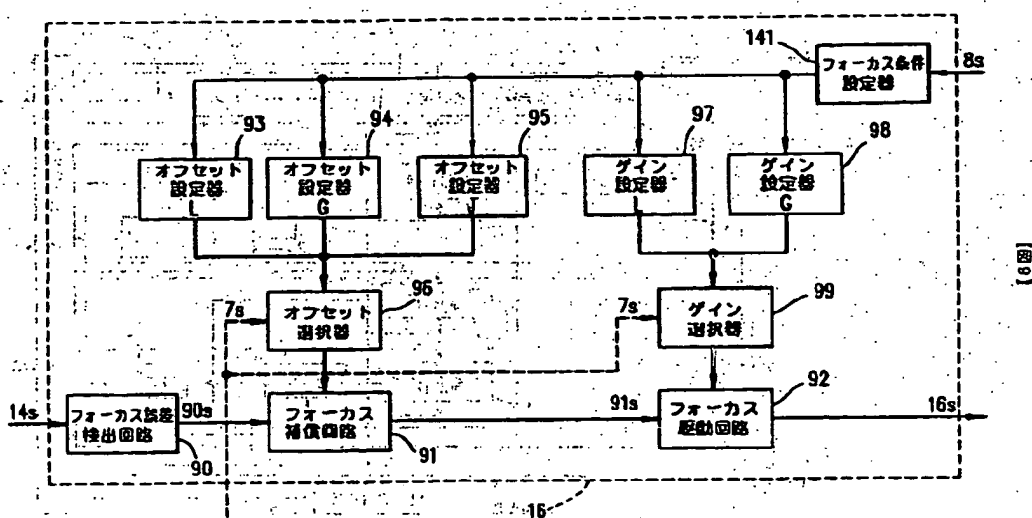
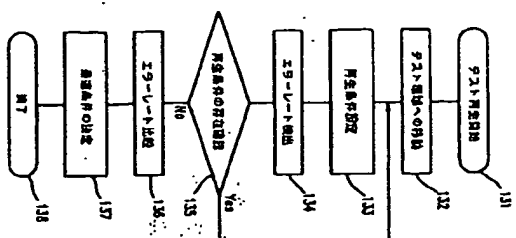
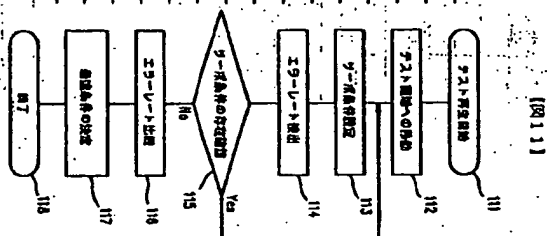
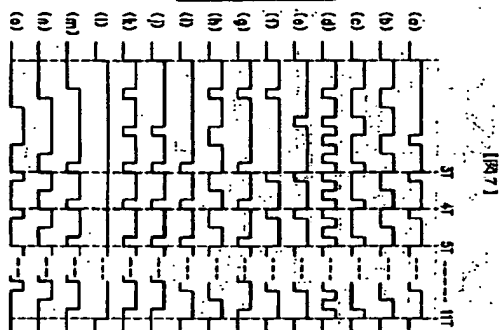
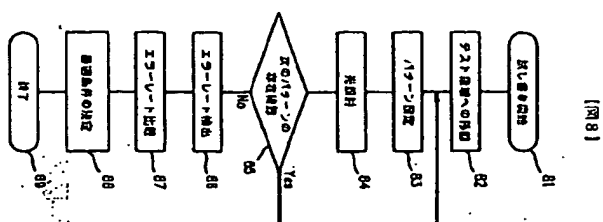
recording/reproducing devices, a change in the ambient temperature of a recording/reproducing device, depositing of dust on a recording medium or optical system, and the like.

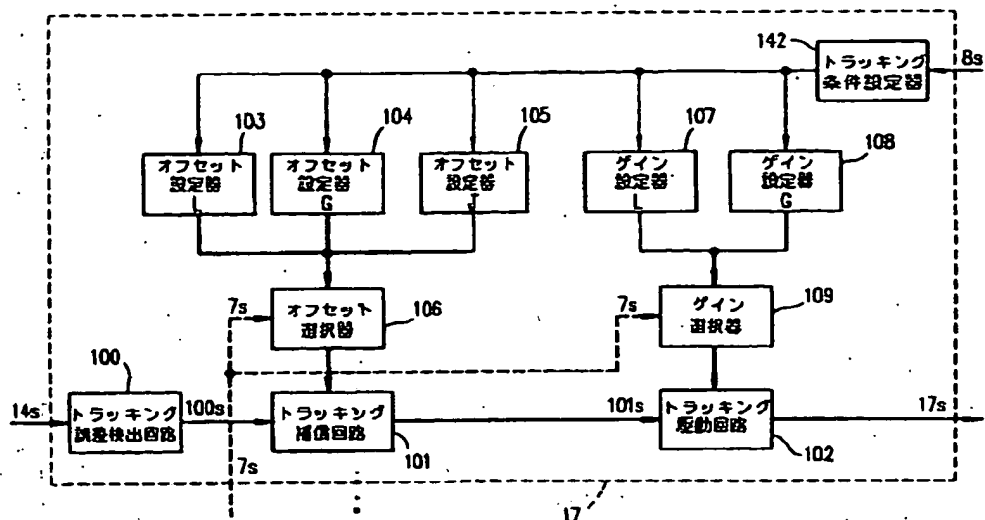
[0075] In order to shorten the time required in the manufacturing step of test writing or to simplify circuitry, it is possible to successively omit this manufacturing step. The correlation between the land and the groove is obtained beforehand, then, for example, an optimum pulse pattern for the land is obtained by performing test writing with respect to the land alone. Thereafter, a pulse pattern for the groove can be obtained based on the correlation between the land and the groove.

[0077] A second method is such that an optimum recording condition for both the land and groove, or an identifier of the recording condition is previously recorded in a specific region of an optical information recording medium. The identifier includes information on a pulse pattern which is optimum to both the land and groove. The identifier is provided on the inner or outer periphery of an optical disk, outside an information region thereof, in a format that conforms to an information or address signal. For example, referring to Figure 6, the identifier may be provided

in a position that corresponds to a test region 62 of Figure 6, which is adjacent to an information region 61 of an optical disk 1 on the same plane.

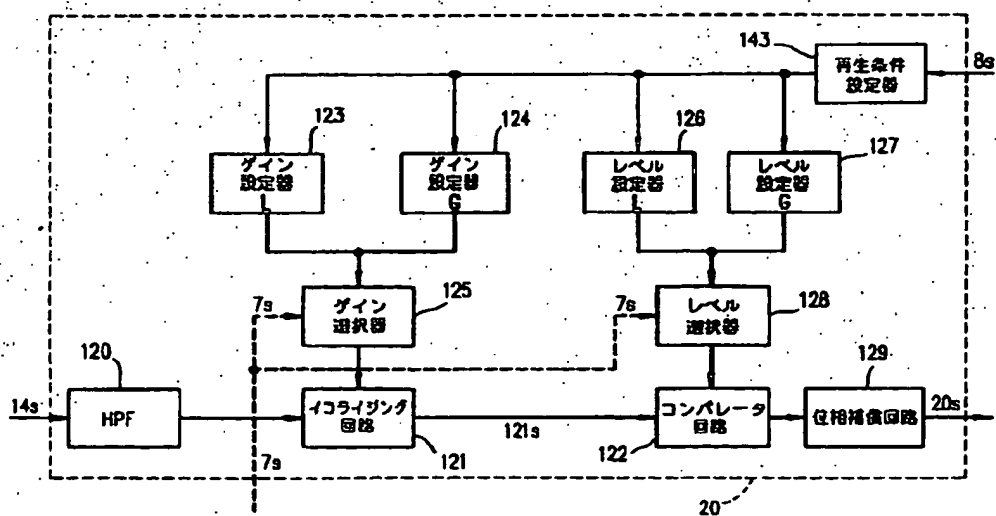






【図10】

(15)



【図12】

(16)

(17)

フロントページの続き

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(50)調査した分野(Int. Cl.⁷, D D 4)

G18 7/00 - 7/05

G18 7/07 - 7/13

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G18 7/25 - 7/35

(56)参考文献

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